

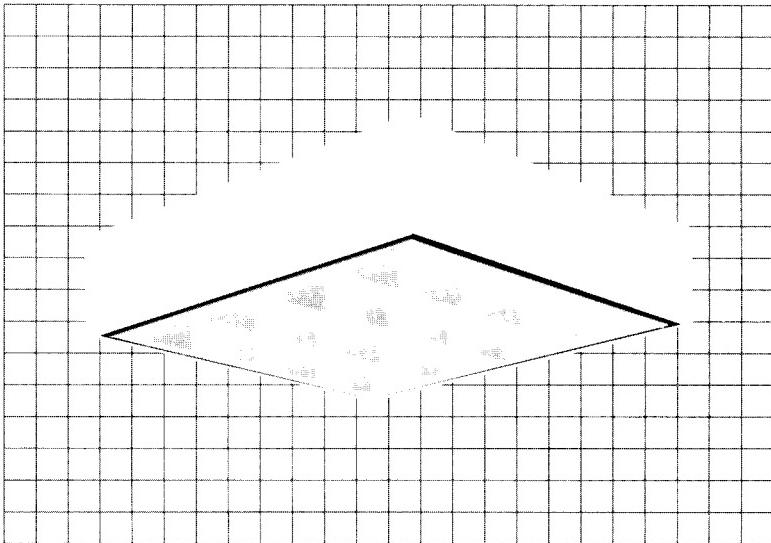
# DPB2S16DS2U4



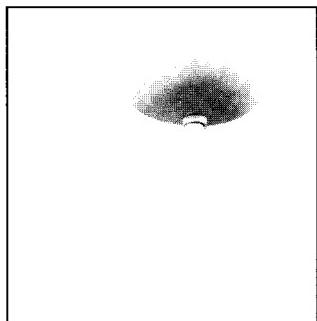
## DEEPCEL SURFACE

2' × 2' SURFACE FLUORESCENT  
3" DEEP, 16 CELL PARABOLIC LOUVER

- Only 5½" deep.
- Welded 20 gauge steel body.
- 45° mitered corners (body and louver).
- Side-mounted ballast for cooler operation.
- Coilzak® aluminum parabolic louver.
- Vertical grain on louver eliminates reflected lamp images on cross baffle.
- Perfectly uniform four-side black reveal.
- Spring-loaded "roosterhead" latches.
- Reversible louver hinging.
- Door jamb with integral positive light stop.
- Flush end K.O.s for smooth surface appearance (at end of row or individual).
- Interchangeable with Lytecel 1½" × 1½" × 1" deep, injection molded louver or 1¼" deep regressed (DR) aluminum lens frame.
- Protective film dust guard.
- Meets NYC Code requirements.

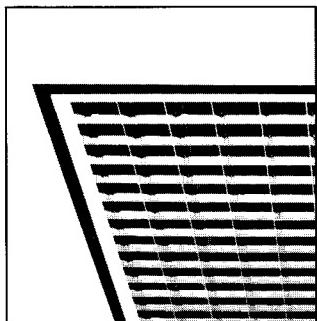


## MOUNTING METHOD

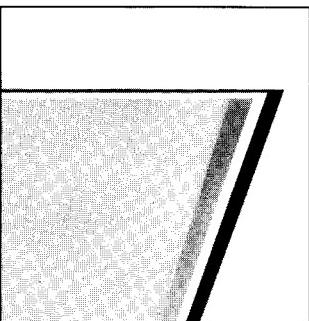


Stem mounting (four per fixture is recommended)

## OPTIONS



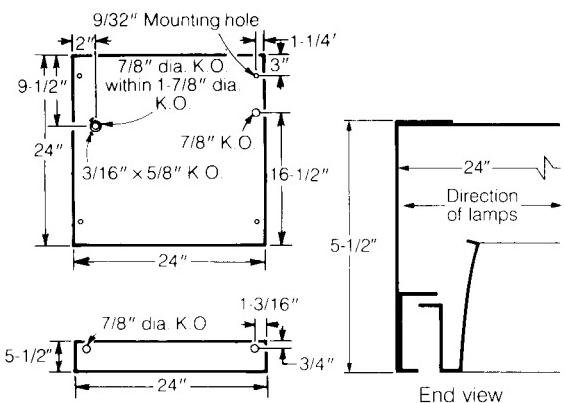
Lytecel 1½" × 1½" × 1" deep, injection molded louver



1¼" deep regressed aluminum lens frame

## DIMENSIONS

All K.O.s are  $\frac{7}{8}$ " unless otherwise noted.



TYPE	CATALOG NO.	VOLTS
REMARKS:		

**LIGHTOLIE**®  
a GENIUS company

# DPB2S16DS2U4

## DEEPCEL SURFACE 2' x 2' SURFACE FLUORESCENT

### PHOTOMETRY



45 Industrial Way  
Wilmington, MA 01887  
(508) 657-7600

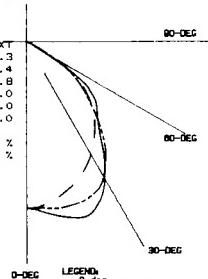
REPORT NO.: 690046 DATE: 06-13-1990  
CATALOG NO.: 690046 DS2U4  
LAMP(S): 2 FB40/WVY, EACH RATED 3050 LUMENS  
LUMINAIRE: 2X2 2 U-LAMP SURFACE DC  
W/16 CELL SEMI-SPEC LVR  
WATTS: 86 MEASURED WATTS

CANDELA DISTRIBUTION FLUX  
 0 0.0 22.5 45.0 67.5 90.0  
 0 1424 1425 1426 1427 1428  
 5 1424 1425 1426 1427 1428  
 10 1379 1379 1463 1539 1572 413  
 15 1207 1297 1429 1483 1512 641  
 20 1025 1155 1209 1162 1168 722  
 25 813 911 822 815 867 654  
 30 510 507 483 535 601 446  
 35 74 83 69 60 51 82  
 40 1 14 16 16 13 16  
 45 1 2 2 2 2 2  
 50 0 0 0 0 0 0

ZONAL LUMEN SUMMARY  
 ZONE LUMENS %LAMP %FIXT  
 0- 30 1192 19.5 38.3  
 0- 40 1913 31.4 61.4  
 0- 50 3014 49.4 96.8  
 0- 60 3114 51.1 100.0  
 90-180 0 0.0 0.0  
 0-180 3114 51.1 100.0

TOTAL LUMINAIRE EFFICIENCY = 51.1 %  
 TOTAL REFLECTANCE OF PAINT = 90.0 %  
 CIE TYPE - DIRECT  
 PLACEMENT : 0-DEG 90-DEG  
 SPACING CRITERIA : 1.2 1.3  
 SHIELDING ANGLES : 20 30  
 LUMINOUS LENGTH : 21.000 21.000

LUMINANCE DATA IN FOOTLAMBERTS  
 ANGLE AVERAGE AVERAGE AVERAGE  
 IN DEG 0-DEG 45-DEG 90-DEG  
 0 1472. 1472. 1472.  
 45 1191. 1191. 1201.  
 90 912. 864. 1075.  
 135 180. 167. 124.  
 180 44. 63. 52.  
 225 12. 24. 24.



### MODEL NO. DPB2S16DS2U4

#### coefficients of utilization—zonal cavity method

RF	20	20	20
RC	80	50	30
RW	70	50	30
1	57	56	54
2	54	51	48
3	50	46	43
4	46	42	38
5	43	38	34
6	40	34	30
7	37	31	27
8	34	28	24
9	31	25	21
10	29	23	19

#### visual comfort probability (VCP) average 100 fc; reflectances 80/50/20

room size	ceiling height				ceiling height				
	W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0
20	20	8.5	80	76	78	89	81	77	78
20	30	89	83	79	75	90	83	80	79
20	30	89	85	81	78	91	85	82	81
20	60	90	85	84	80	92	87	84	83
30	20	89	84	78	78	90	85	79	78
30	30	90	86	81	75	91	86	81	78
30	40	91	88	83	77	92	87	83	80
30	60	91	88	85	80	93	89	85	82
30	80	91	88	85	80	93	89	86	83
40	20	90	85	80	79	90	86	82	79
40	30	91	87	82	77	92	87	83	79
40	40	92	89	85	79	93	89	85	81
40	60	92	89	86	81	93	90	86	82
40	80	92	89	86	81	93	90	88	84
40	100	92	89	86	81	93	90	88	84
60	30	91	87	84	79	92	87	85	81
60	40	92	89	86	80	93	89	86	83
60	60	92	90	87	82	93	90	87	84
60	80	92	90	87	83	93	90	88	85
60	100	92	90	87	83	93	90	88	85
100	40	92	89	86	82	93	89	86	84
100	60	92	90	88	84	93	90	88	85
100	80	92	90	88	84	93	90	89	86
100	100	92	90	88	84	93	90	89	86

luminaires lengthwise      luminaires crosswise

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